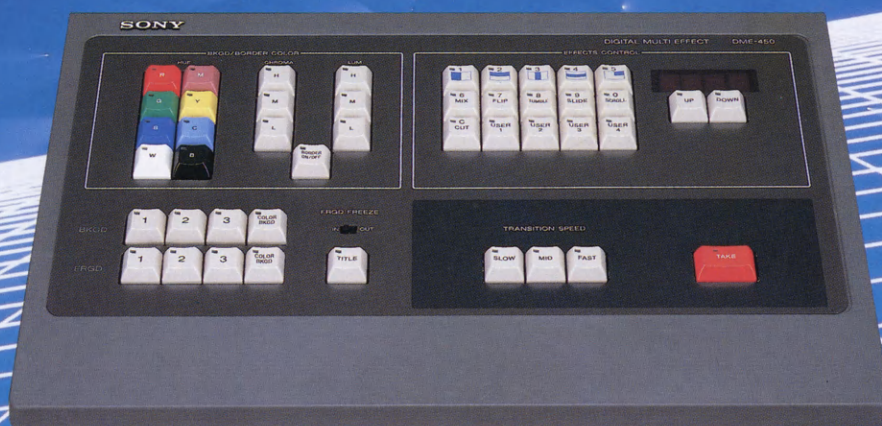


SONY®

Digital Multi Effects

DME-450

(NTSC)



Let Your Cre

Sony's digital technology now brings new life into the world of editing. Striking images produced with digital effects in the three dimensional world will broaden your creativity.

The Sony DME-450 Digital Multi Effects system is a simple switcher which includes three dimensional DME capability. In addition to digital effects for picture modifications such as mosaic and mirror, many digital picture transformations, including flip and slide, are available. Over one hundred different digital effects are stored as preset patterns. The DME-450 also includes rotation, translation, perspective, size reduction and many other three dimensional linear effects.



ativity Show.



The simple "button per effect" operation eliminates the need for operational dexterity. Thanks to the built-in field memory, VTR playback signals can be accepted without the need for external TBCs. System flexibility is one of the main factors, allowing the DME-450 to be integrated into almost any system. When combined with the RM-450 Editing Control Unit, the DME-450 provides an ideal two machine editing system with digital effects. The DME-450 is sure to bring a new dimension into your program production.

(TV picture simulated)



Main Features

Simple Switcher Function with DME

The DME-450 functions as a simple switcher with mix, wipe and DME in a two machine editing or A/B roll editing system. It is equipped with two buses of FRGD (foreground)/BKGD (background), three primary inputs, one color background, and three sync signal outputs.

Many Effects

Including Three Dimensional DME

A total of 117 DME patterns are stored as preset patterns. In addition to four pre-assigned effects of flip, tumble, slide and scroll, various kinds of DME such as mosaic, bit defect, drop shadow, stream, curtain, squeeze and skew are available and they can be easily executed with a minimum number of key strokes.

Non-TBC Operation

Thanks to the built-in field memory, the DME-450 can accept non time base corrected video signals such as U-matic VTR playback signals. TBCs are no longer required for the editing system, so a cost effective, high performance editing system can be set up with the DME-450.

Two Machine Editing with Effects

The freeze function allows editing with various effects even in a two machine editing system composed of the VO-9800/9850 U-matic VTRs and the RM-450 Editing Control Unit.

Title Superimpose

Captions, figures or characters of a FRGD source can be superimposed on a BKGD source by self-keying. Also, the DME capability is effective for titling pictures. Various kinds of titling are possible.

DME Capability for Other Switcher Systems

The DME capability alone can be used with other switcher systems, such as the SEG-2550A or the BVS-3000 series, due to its key signal output capability. Running effects can be triggered by external cue pulses.

Easy Operation

The layout of the function buttons and keys for transition speed, color matte and effect pattern selection is simplified. Operation can be done easily with a minimum number of key strokes.



MOSAIC



NEGATIVE



BIT DEFECT



MIRROR



STREAM



PICTURE IN PICTURE



FLIP



TUMBLE



SCROLL



SPLIT SLIDE



SPLIT TRANSLATION



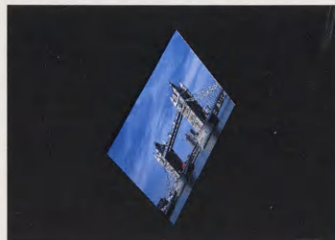
ROTATION



3D TUMBLE



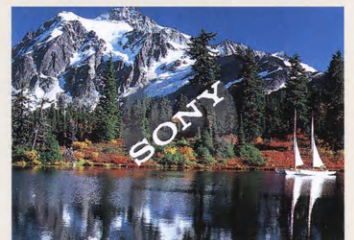
3D ROTATION



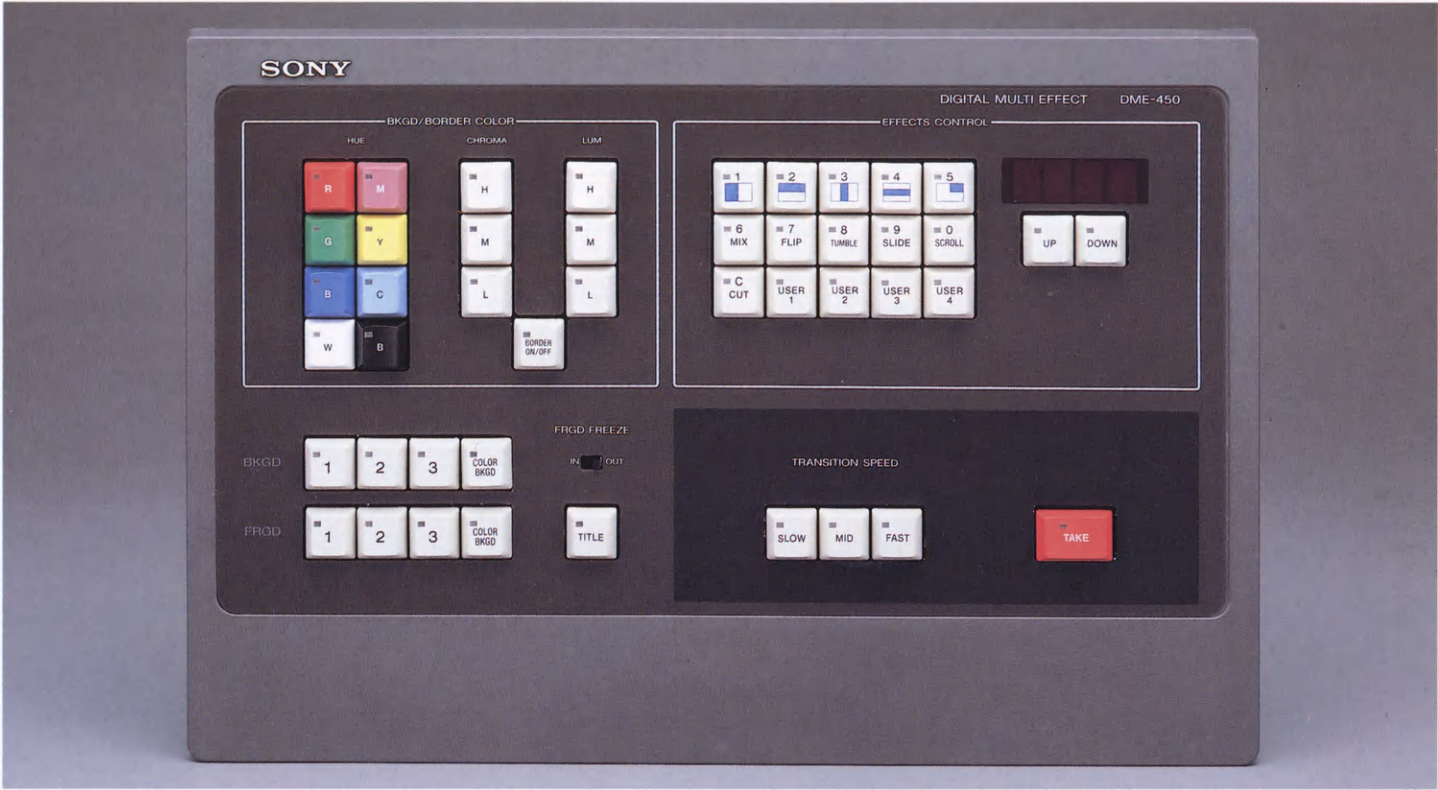
DOOR



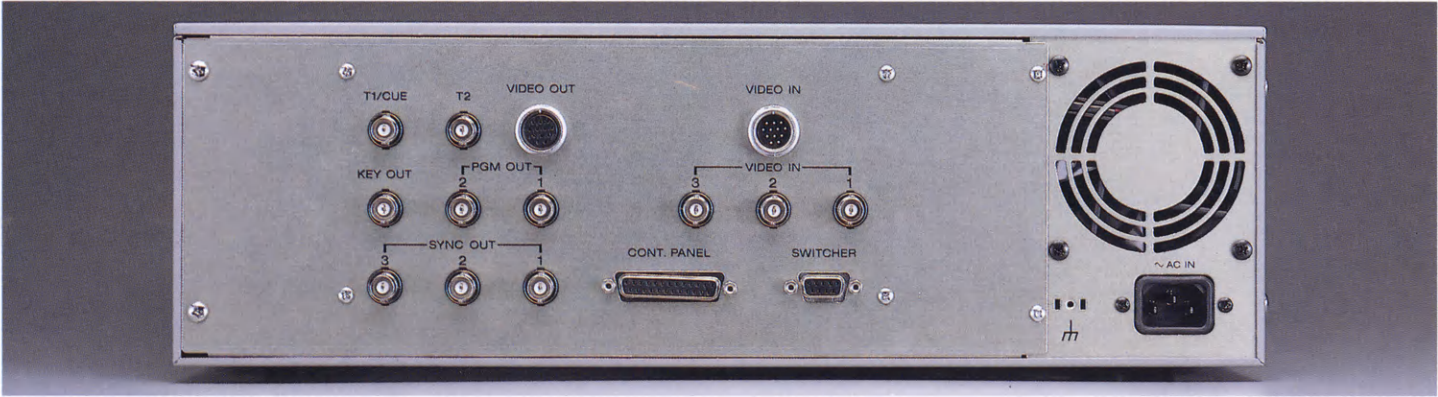
TITLE



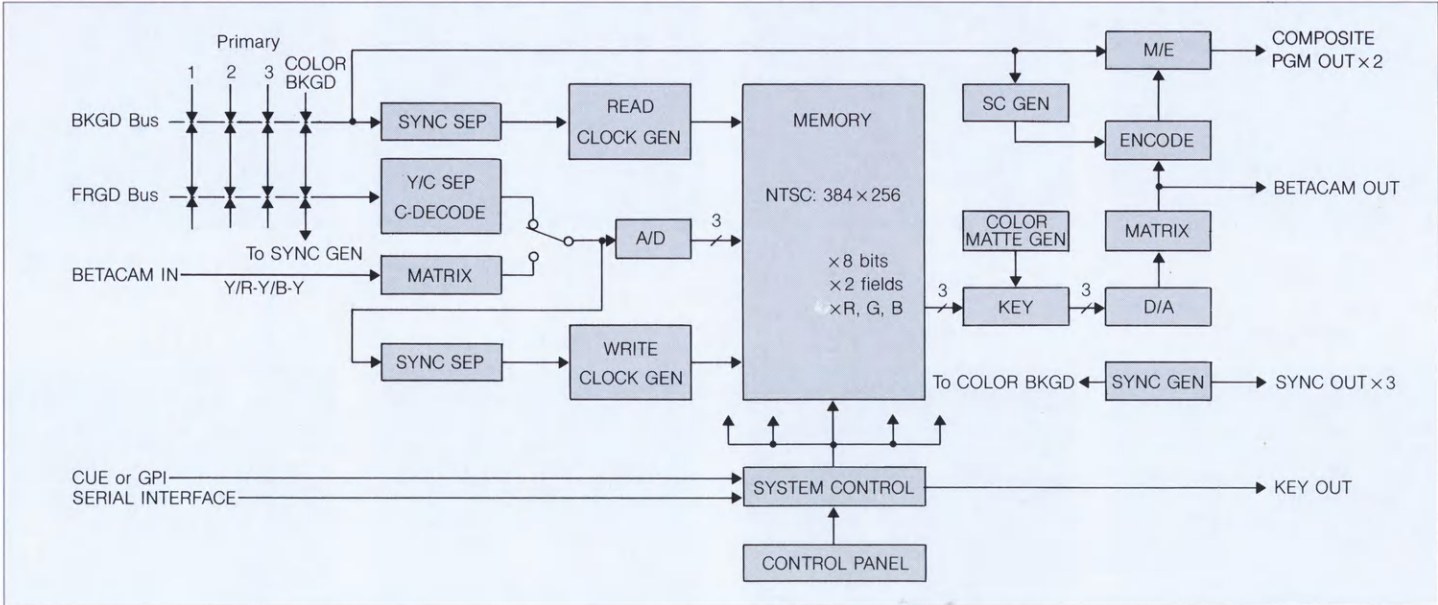
Control Panel



Rear Panel of Main Unit

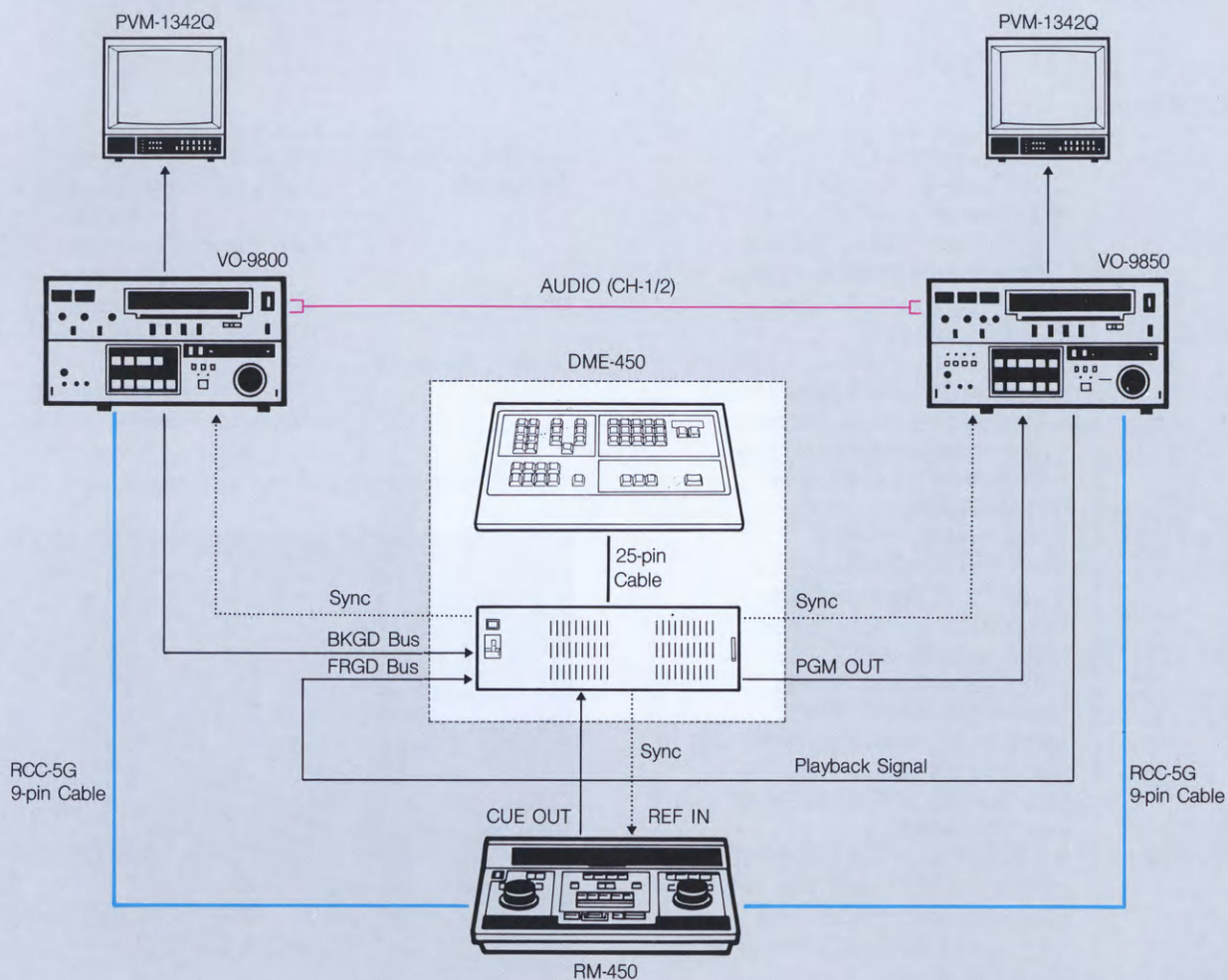


Block Diagram

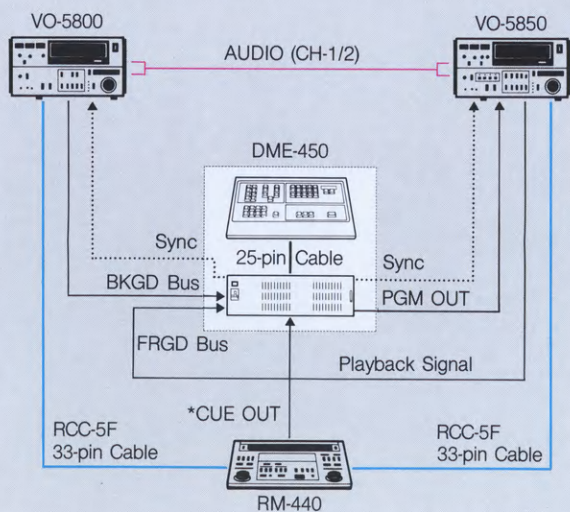


System Connections

Two Machine Editing System with RM-450

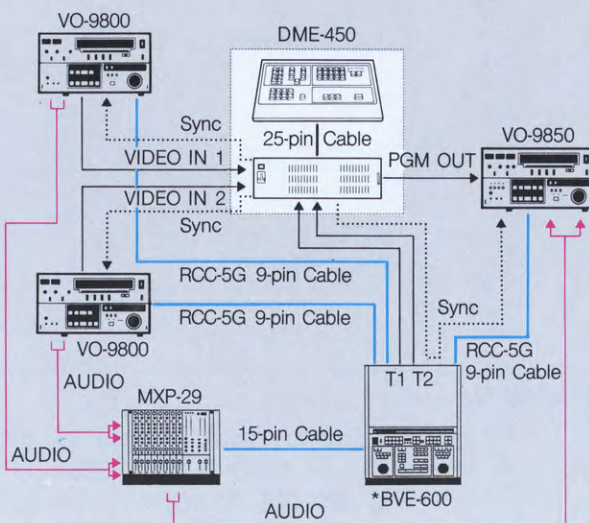


Two Machine Editing System with RM-440



*EAC-58 interconnection adaptor + BNC cable are required.

A/B Roll Editing System with BVE-600



*Without switcher board

\$ 7700 ?
7800
\$8000 or less?

Specifications

Video inputs:	VIDEO IN (BNC) × 3 VBS 1.0Vp-p, 75 ohms BETACAM IN (12-pin male) × 1 Luminance: 1.0Vp-p, 75 ohms Chrominance R-Y/B-Y: 0.7Vp-p (75% color bars), 75 ohms	Operating temperature: 0°C to 40°C (32°F to 104°F) Dimensions:	Control panel: 390(W) × 62(H) × 264(D)mm (15 ³ / ₈ × 2 ¹ / ₂ × 10 ¹ / ₂ ") Main unit: 424(W) × 132(H) × 350(D)mm (16 ³ / ₄ × 5 ¹ / ₄ × 13 ⁷ / ₈ ")
Video outputs:	PGM OUT (BNC) × 2 VBS 1.0Vp-p, 75 ohms BETACAM OUT (12-pin female) × 1 Luminance: 1.0Vp-p, 75 ohms Chrominance R-Y/B-Y: 0.7Vp-p (75% color bars), 75 ohms KEY OUT (BNC) × 1 VBS 1.0Vp-p, 75 ohms SYNC OUT (BNC) × 3 2.5Vp-p, 75 ohms, negative	Weight:	Control panel: 3kg (6 lb 10 oz) Main unit: 11kg (24 lb 5 oz) with cable
Interfaces:	BVS-3000 series: 9-pin Remote Editor: BNC × 2, Cue/T1, T2 Control panel: 25-pin Remote	Supplied accessories:	AC power cord (× 1) 25-pin control cable (5m × 1) Rack mount metals (3 units for main unit)
DP:	Less than 2° (BKGD Path) Less than 3° (FRGD Path at full size)	<i>*Design and specifications subject to change without notice.</i>	
DG:	Less than 1% (BKGD Path) Less than 3% (FRGD Path at full size)		
Crosstalk:	Less than -54dB		
Frequency response:	300kHz—5.5MHz ±0.5dB (BKGD Path) 2.0MHz - 3.0dB (FRGD Path at full size)		
S/N:	Better than 60dB (BKGD Path) Better than 52dB (FRGD Path at full size)		
Effect system:	281 preset effects 5-speed transition 2 field memories 455 × f _H sampling		
Power requirements:	AC100/120V, 50/60Hz		
Power consumption:	65W		

Distributed by:

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